

## 5.3 Cleaning the Printer

As discussed earlier, the following parts must be cleaned each time the toner container and waste toner box are replaced:

- Main charger wire
- Main charger grid
- Registration roller

In addition to this, it is recommended that the main charger wire and registration roller are cleaned periodically at least once a month.

If lines, etc., appear on printed copies, the printouts appear dirty, or faint or blurred printouts are produced, clean the advanced beam array lenses.

### 5.3.1 Cleaning the Main Charger Unit

The main charger units need to be cleaned periodically as they get contaminated with dioxide after long usage. Each main charger unit is comprised of two main parts — the wire and the grid — which should be separately as explained below.

There are 4 main charger units, one for each toner container. When performing the cleaning procedure, be sure to clean the main charger unit that corresponds to color of the toner container that was replaced. The following example explains the procedure to clean the main charger unit for the black toner container.

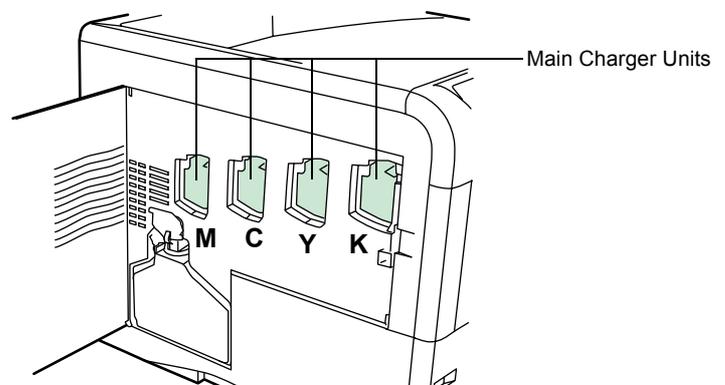


Figure 5-17

- 1 Open the left cover.

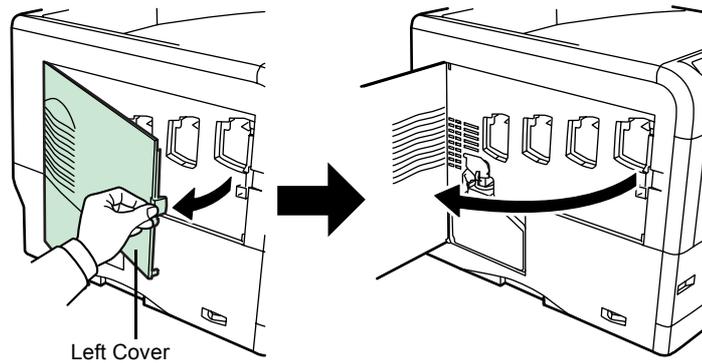


Figure 5-18

- 2 First clean the main charger wire. Grasp the green wire cleaner knob. Gently pull the wire cleaner knob out and push it back in. Repeat this 2 to 3 times. After cleaning, make sure you restore the wire cleaner knob to its home position.

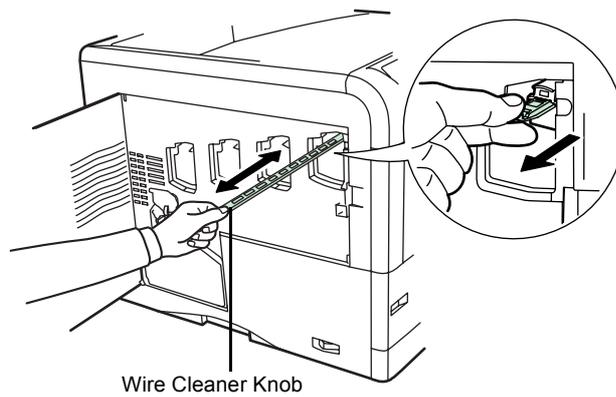


Figure 5-19



If the wire cleaner knob is not restored to its home position, a band will print along the length of the page.

- 3 Next, clean the main charger grid. Take the grid cleaner out of the toner kit. Take the grid cleaner out of the protective bag and remove the cap.

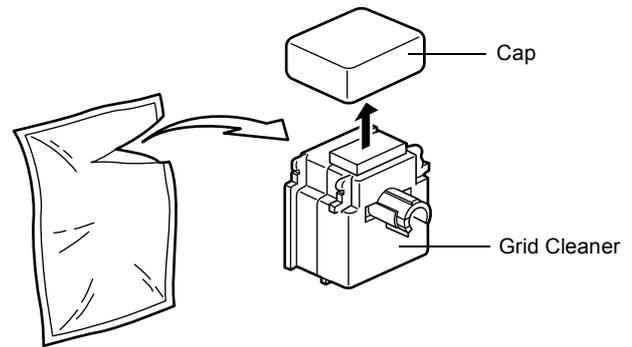


Figure 5-20



Note

The pad of the grid cleaner contains water. Clean the grid quickly so that the pad may not dry off.

- 4 Lift up slightly on the main charger unit and pull it out a short distance as shown in the figure below.

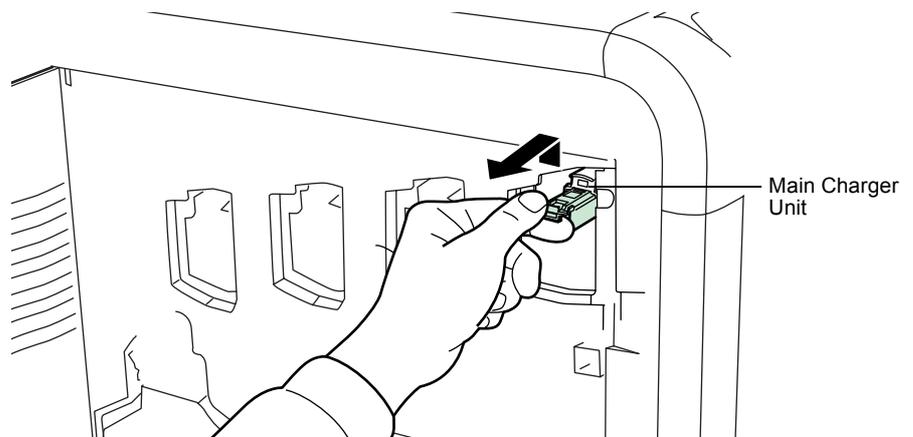


Figure 5-21

- 5 Attach the grid cleaner to the printer with the pad facing up.

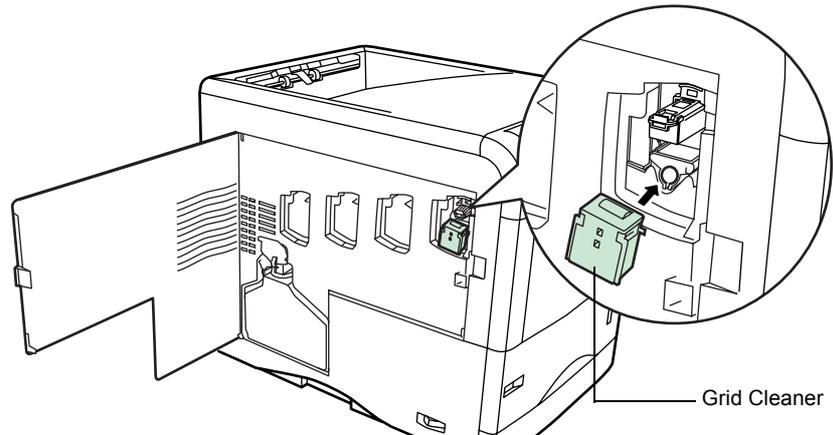


Figure 5-22

- 6 Gently pull the main charger handle out and push it back in. Repeat this 2 to 3 times. These movements clean the grid. After cleaning, make sure you restore the main charger unit to its home position.

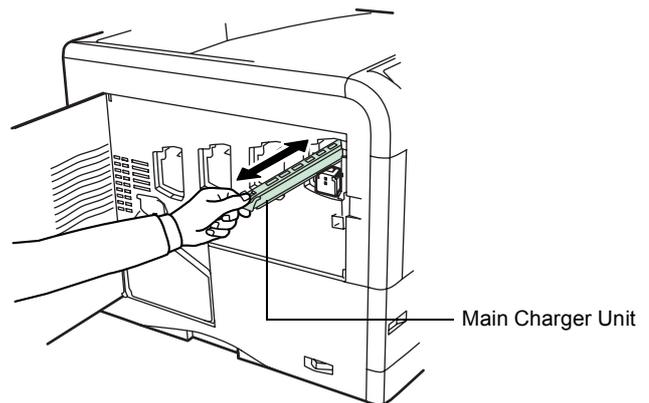


Figure 5-23



Note

If the main charger unit is not restored to its home position, the corresponding color will be printed over the whole page.

- 7 Remove the grid cleaner from the printer and discard it. The grid cleaner cannot be reused.

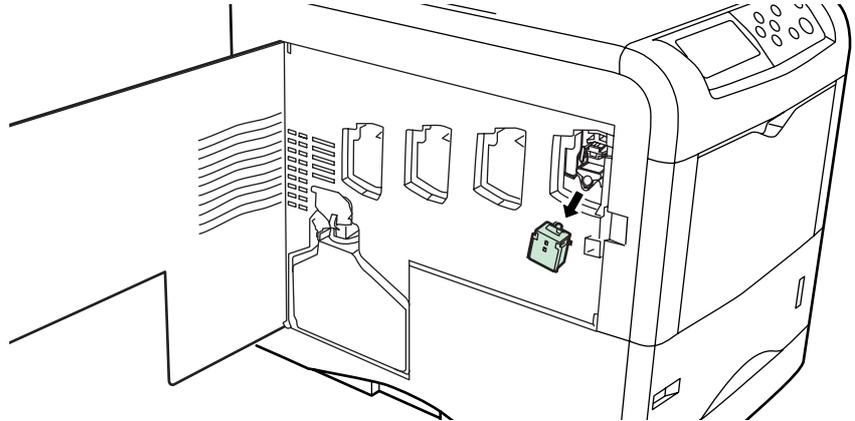


Figure 5-24

Use the same procedure to clean the main charger units for the other toner containers.

- 8 Close the left cover.

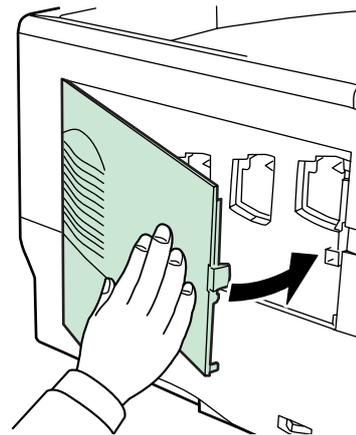


Figure 5-25

### 5.3.2 Cleaning the Paper Transfer Unit

Print problems such as soiling of the reverse side of printed pages may occur if the paper transfer unit becomes dirty. To clean the paper transfer unit, the following tool must be used:

- Cleaning cloth (included in the toner kit)

Clean the paper transfer unit according to the procedure that follows:

- 1** While pulling the green paper transfer unit release lever, pull out the paper transfer unit.

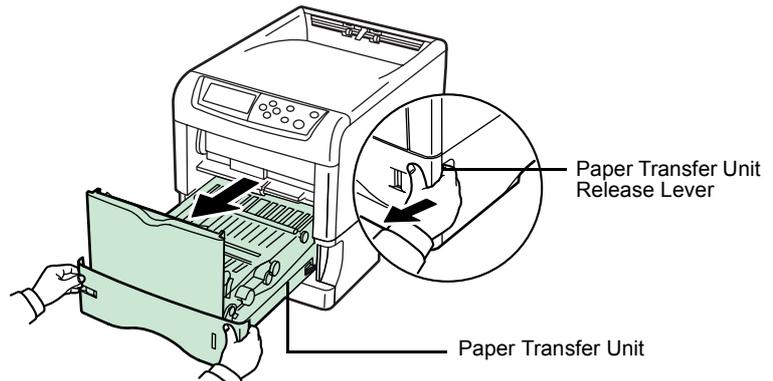


Figure 5-26

- 2** Wipe away the paper dust on the registration roller and the paper ramp using the wiper cloth included in the toner kit.

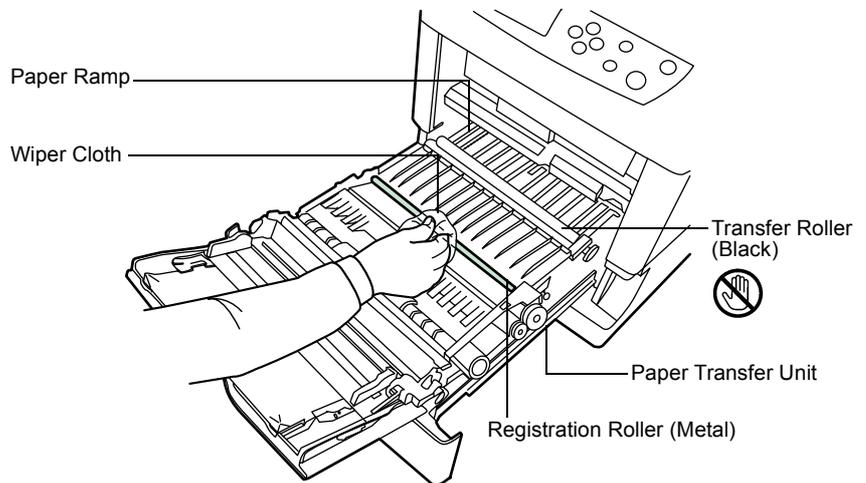


Figure 5-27



Note

**Be careful not to touch the black transfer roller during cleaning as this may adversely affect print quality.**

- 3** Push the paper transfer unit back in completely.

### 5.3.3 Cleaning the Advanced Beam Array Lenses

If lines, etc., appear on printed copies, the printouts appear dirty, or faint or blurred printouts are produced, clean the advanced beam array lenses.

There is 1 lens on the main charger unit of each toner container. The following example explains the procedure to clean the lens on the main charger unit of the black toner container.

- 1 Open the left cover.

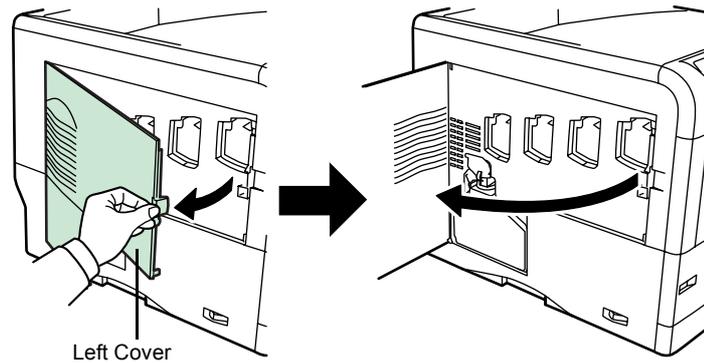


Figure 5-28

- 2 Grasp the tab of the green lens cleaner knob. Gently pull the lens cleaner knob out and push it back in. Repeat this 2 times.

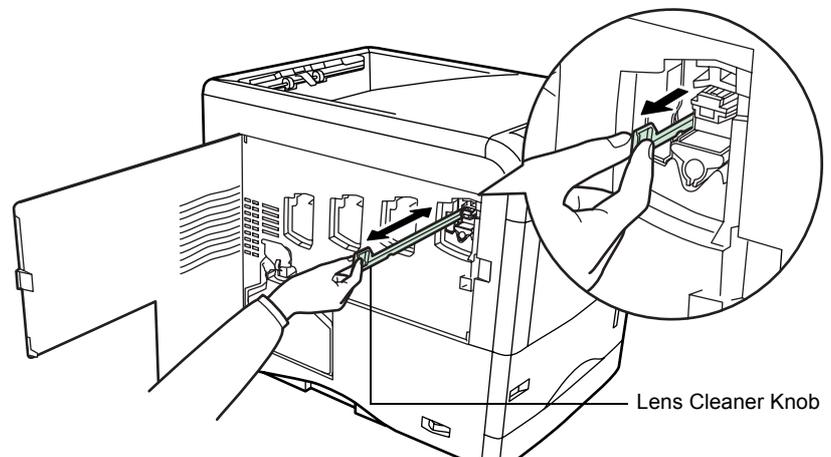


Figure 5-29

- 3** Push the lens cleaner knob back in completely. After cleaning, make sure you restore the lens cleaner knob to its home position.

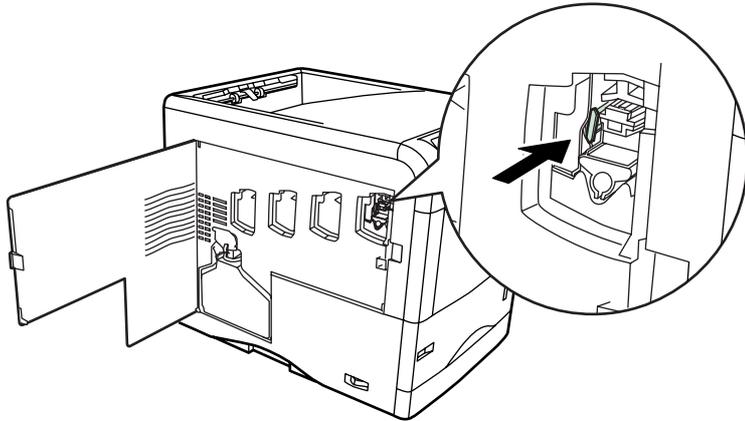


Figure 5-30



Note

If the lens cleaner knob is not restored to its home position, the corresponding color will be printed over the whole page.

Use the same procedure to clean the lenses on the main charger unit of the other toner containers.

- 4** Once you are finished cleaning all 4 lenses, close the left cover.

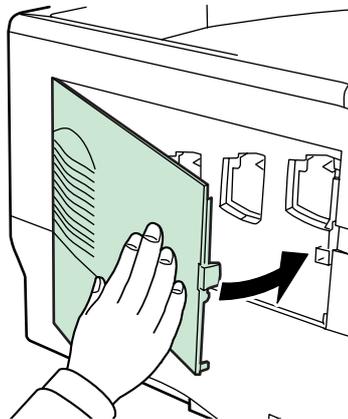


Figure 5-31